



STDN DAILY REPORT
FOR GMT DAYS
07, 08, 09 AND 10 DECEMBER 2000

Part I. Operations

07 DECEMBER

A. SN Anomalies – None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

1. WGS/EO-1 Support 07/0135-0319Z

The site was unable to autotrack X-Band throughout the event due to hits cause by the system elevation oscillating. This is an ongoing anomaly. TTR # 23275 CDS ID # 17631

0133-0144Z 7 Min. 55 Sec. Svc Loss

2. WGS/EO-1 Support 07/0312-0318Z

Elevation oscillation in X-Band occurred during this event. The site was unable to autotrack X-Band. This pass was taken in S-Band autotrack. TTR # 23276 CDS ID # 17632

0310-0322Z 6 Min 18 Sec Svc Loss

3. AGS/QST Support 07/1028-1035Z

The Master Computer at the site halted and the scheduled support did not start. The operator manually started the support, but the late acquisition caused the playback portion of the support to be missed. QST MOC will recover the data from a later orbit

TTR # 23277 CDS ID # 17633

1028-1041Z 7 Min Svc/Data Loss (Recov)

4. WGS/SEAWIFS Support

07/1641-1650Z

WGS reported nominal receiver lock, Bit Sync lock, and antenna track at AOS. Post Pass "super user" reported a shortage of bits sent to project. Reason for shortage is unknown. Troubleshooting is in progress. Tapes are being played back to determine if there is any data present. TTR # 23280 CDS # 17637

1640-1653Z 9 Min 30 Sec Svc/Data Loss (Unknown if Recov)

08 DECEMBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies

1. STGT Hardware Failure

08/0407-0412Z

Immediately following the ISS GCMR to 128KB on the SSAR-1, the integrated receivers' faulted with a DMDP (demod processor) fault and online bit status fault. After the gcmr both chains were not locked and RF was present. The CSC failed down the "B" HSM (hot standby) chain and reset the IR (intergrated receiver) followed by a RFM (return from maintenance). As soon as the RFM was completed the chain locked and a autofailover was done from "B" rtn chain to "A" rtn chain. An IR reset was then done on the "A" chain with lock achieved after the RFM.

TTR # 23281 DR # 42409

0402-0432Z TDW SSAR1 4 Min 37 Sec Svc/Data Loss
(non-recoverable)

C. GN Anomalies

1. SGS/QuikScat

08/0505-0509Z

At approximately the same time as the 262 dump data was finished. The station lost lock on the 4KB real-time data. The Station suspects that the Microdyne-1620 combiner when peaked to its operational MOD Index limits occasionally hangs when the 262 dump start/Finishes. The combiner was recycled to restore lock on the 4KB telemetry.

TTR # 23284 CDS ID #17647

0457-0512Z 4 Min. Svc/Data Loss (Recov Unknown)

2. WGS/SEAWIFS Support

08/0346-0355Z

POCC reported a late acquisition due to an operator error.

TTR # 23282 CDS ID # 17646

0344-0357Z 19 Sec Svc/Data loss (Recov)

3. SKS/QUIKSCAT Support

08/1109Z-1119Z

SKS was not able to connect to the SAC-C MOC to support a scheduled pass due to an incorrect Firewall test configuration. The routers were reset to the correct configuration and successful tested the connectivity with CMOC.

TTR # 23286 CDS ID # 17653

09 DECEMBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies

1. GRGT/EO-1 Support

09/2036-2103Z

The return link was improperly scheduled from 20:35 to 20:36 . forward link had the correct AOS to LOS times. Due to an NCC Operator error. TTR # 23289

2035-2105Z 275 SSAR2 29 Min Data loss (Recov)

C. GN Anomalies

1. WGS/SEAWIFS Support

09/0426-0440Z

WGS did not receive any D/L from the Seawifs S/C, reason unknown. WGS indicated no system anomalies were found. TTR # 23287 CDS ID # 17656

9 Min 26 Sec Svc/Data loss (Recov Unknown).

2. WGS/SEAWIFS Support

09/1808-1818Z

No downlink from spacecraft, 11M antenna appears nominal. Spacecraft appears to be in safe mode. TTR # 23288 CDS ID # 17657

1806-1818Z 9 Min. 30 Sec. Svc/Data Loss (Non-Recov)

10 DECEMBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies

1. WGS/SAC-C Support

10/0358-0410Z

Invalid tracking data in the Tracking Data Formatter approximately eight days old. Postpass the TOTS operator change the Master file so it would use the two line orbital element. TTR # 23291 CDS # 17658

12 Min. Svc/Tracking Data Loss (Non-Recov)

2. SGS/QUICKSCAT Support

10/1552-1610Z

SGS ATS hung during delivery of a new schedule 58 second before Initiation of support. The Master did not complete the ingest of the new Schedule in time. The ATS system was manually reset to acquire lock. TTR # 23292 CDS ID # 17659

1600-1615Z 10 Min. Svc/Data Loss (Non-Recov)

Part II. Testing Anomalies

A. SN Test: - None.

B. GN Test

- | | | |
|---------------------|------------------|----------------|
| 1. NOAA-16 McMurdo | 07/1730-07/2330Z | MCM/NCC/NISN/ |
| Command System Test | | Suitland SOCC. |

Objectives:

To test the MCM Command System following corrective action to the Exciter system, using the NOAA-16 spacecraft.

Results: Objective Partially Met.

Remarks:

- A. NOAA-16 Orbit Numbers 1090-1093 were scheduled for this support.
- B. Rev 1090 - The MCM system was unable to provide telemetry data. Commands were not attempted, due to a lack of valid telemetry data.
- C. Rev 1091 - The MCM system was unable to provide telemetry data through a second receiver. Commands were not attempted, due to a lack of valid telemetry data.
- D. Rev 1092 - This pass was not supported, due to on-going system troubleshooting.
- E. Rev 1093 - MCM successfully received NOAA-16 telemetry data with an unexplained two-minute data dropout during the middle of the pass. Commands were not attempted, due to other system testing and required configuration changes.
- F. The NOAA-16 MCM Command System Test was not

- completed due to the problems noted. The Command carrier was brought up, but no commands were attempted. The Command System is not capable of support at this time.
- G. The MCM telemetry receive capability appears to be limited. MCM engineers continue to investigate the system problems.
- H. Additional testing has been requested for December 18th.

Part III. Equipment Status Changes - None.

Part IV. Scheduled Activities:

TERRA/ERPS Parallel Operations Test	08/1415-15/2400Z
MTRS-1 150 MBPS Link Checkout Test	11/0204-0341Z

Part V. Launch Forecast Changes

* 1.) B0218LS (DELTA/GEOLITE) NET 25 APR.,2001 T-0 = 1700Z